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MONTANA OIL AND GAS STATISTICAL BULLETIN

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Vol. XXV, No. 9 SEPTEMBER, 1976

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1976, averaged 88,321 barrels daily, a decrease of 1,988 barrels from the average 90,309 production in August.

The seven refineries in the state processed 144,356 barrels of crude oil daily for the month of September, a decrease of 4,432 barrels from the 148,788 barrels processed daily during the month of August.

During September, 64 wells were completed, 8 oil, 20 gas, and 36 dry holes.

During September, the Board issued 97 permits to drill new wells, an increase of 10 from the 87 permits issued during August.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC. IN MONTANA

MONTH OF SEPTEMBER, 1976

IN STORAGE SEPTEMBER 1st	
By Producers	314,953
By Transporters	1,088,493
By Refiners	1,029,370
TOTAL STORAGE	2,432,816
Produced in Montana During Month	2,649,641
Imported During Month	3,595,109
TOTAL	8,677,566
DISPOSITION:	
Refined in Montana	4,330,698
Exported	1,764,088
Used for Fuel or Lost	6,224
TOTAL	6,101,010
IN STORAGE SEPTEMBER 30th	
By Producers	317,952
Bt Transporters	1,270,772
By Refiners	987,832
TOTAL STORAGE	2,576,556

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NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of September, 1976

Field	M.C Ft.
NATURAL:	
Bear's Den	3,525
Big Coulee	83,230
Black Coulee	6,386
Blackjack	30,070
Bowdoin	501,065
Bowes	69,982
Brown's Coulee	4,522
Canadian Coulee	82,167
Cedar Creek	95,296
Coal Coulee	4,943
Conrad-Butte	11,883
Cut Bank (including Reagan)	194,117
Dry Creek	58,982
Ethridge	6,369
Flat Coulee	14,359
Fresno	10,300
Grandview	20,603
Hardin	2,714
Keith Block	49,319
Kevin Sunburst	5,794
Kicking Horse	14,380
Kinyon Coulee Area	617
Lake Basin	56,648
Liscom Creek	25,622
Middle Butte	1,576
Middle Dry Creek	1,213
Mt. Lilly	1,162
North Clark Fork	—0—
Plevna	3,110
Pumpkin Creek	46,383
Sawtooth Mountain	35.375
Rapelje	25,817
Sherard	91,207
Strawberry Creek Area	6,323
South Clark Fork	4,111
South Devon	11,604
Swanson Creek	42,590*
Tiger Ridge	1,131,274
Trail Creek	7,467
Utopia	—0—
West Butte	—0—
Whitlash	101,146
ASSOCIATED:	
Bell Creek	42,510
Cabin Creek	41,135
Elk Basin	27,737
Fairview	29,154
Middle Sioux Pass	7,939
Otis Creek	15,063
Pine	38,104
Sioux Pass North	24,096
Richland	34,144
Tule Creek	7,074
TOTAL	3,130,207

Total withdrawals for September, 1976 were 3,509,593 MCF.

*June through September.

PRODUCERS' REPORT — MONTH OF SEPTEMBER, 1976

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
4	Arch Apex	6	1,691	1,535	1,052	634		1,540
3	Ash Creek	3	410	808	....	617		601
1	Bainville	1	1,879	2,078	....	2,011		1,946
2	Bannatyne	2	607	413	413	....		607
3	Bear's Den	4	814	657	....	211		1,260
15	Bell Creek	186	16,239	685,512	684,919	....	8	16,824
1	Benrud	1	369	264	..	440		193
3	Benrud East	3	1,587	10,882	.....	10,796		1,673
1	Benrud Northeast	1	517	1,183	.....	1,291		409
1	Berthelote	1	232	108	..	....		340
1	Big Bend	1	1,224	4,250	....	4,047		1,427
1	Big Gully	1	342	2,095	....	2,024		413
3	Big Muddy Creek	4	1,534	18,201	17,144	..		2,591
5	Big Wall	14	1,041	5,166	5,190	..		1,017
1	Blackfoot	6	918	1,513	2,096	....		335
8	Border	8	1,075	701	382	364		1,030
1	Boulder	1	758	4,181	.....	4,143		796
1	Bowes	51	4,563	10,540	11,514	.....		3,589
1	Bradley	1	356	621	820	.....		157
4	Brorson-Madison	4	1,080	2,026	.	1,823		1,283
5	Brorson-Red River	5	7,070	4,033		4,014		7,089
3	Brorson-Red River South	3	1,754	6,761		7,582		933
5	Brush Lake	5	812	10,209	9,661	....		1,360
1	Burns Creek	1	586	648		798		436
2	Cabin Creek	84	.....	131,105	131,105	....		....
1	Canal	1	1,300	1,387		1,743		944
10	Cat Creek	51	3,051	11,232	12,188	....		2,095
1	Clarks Fork	1	104	93		160		37
	Clarks Fork North		217					217
1	Clarks Fork South	1	770	337	208			899
2	Conrad South	3	....	416	416			
2	Cow Creek	2	192	150	.	150		192
8	Cow Creek East	9	2,244	24,753		24,254		2,743
1	Culbertson	1	492	513				1,005
11	Cupton	11	4,271	9,855	6,381	3,415		4,330
130	Cut Bank	811	30,446	169,564	132,416	36,200	12	31,382
1	Dean Dome	1	1,201	811	1,059	.		953
1	Deer Creek	1	114	369	33			450
1	Delphia	1	178	892		783		287
	Devils Basin		330	.				330
1	Dry Creek	1	256	1,153	1,070			339
2	Dwyer	10	3,415	9,618	9,663			3,370
3	Elk Basin	48	579	87,396	87,394			581
4	Elk Basin Northwest	6	1,931	3,058	3,590			1,399
5	Fairview	8	6,699	27,649	3,875	23,055		7,418
2	Fertile Prairie	2	750	1,237		1,196		791
3	Flat Coulee	19	1,742	9,884	9,585	....		2,041
6	Flat Lake	46	2,919	47,498	47,645	.		2,772
2	Flat Lake South	2	631	1,320	1,358	..		593
1	Fort Gilbert	2	484	4,290	4,297	..		477
1	Four Mile Creek	1	564	1,824	1,302			1,086
1	Frannie	1		780	780			
11	Fred & George Creek	30	3,069	44,718	44,650		2	3,135
1	Froid South	1	276	309				585
1	Gage	1	33	132	.			165
3	Gas City	15	7,919	15,967	12,522	3,270		8,094
1	Girard	1	1,156	219	....	221		1,154
11	Glendive	13	3,054	18,409	18,863	..		2,600
13	Goose Lake	21	3,090	19,376	19,553	....		2,913
12	Graben Coulee	35	6,978	6,260	4,422	1,661	3	7,152
5	Gumbo Ridge	6	1,210	7,738		5,964		2,984
5	Gypsy Basin	6	1,721	941		841	675	1,146
1	Hay Creek-Mission	1	91	938	683			346
1	Hay Creek-Red River	1	345	1,302	1,093			554
4	Hiawatha	4	1,631	3,981	3,521		10	2,081
1	Hibbard	1	449	409		220		638
2	Highview	2	379	307	503			183
1	Horse Creek	1	722	77				799
1	Howard Coulee	1	169	460	204			425
5	Ivanhoe	9	1,921	2,692	4,100			513
2	Jim Coulee	17	4,530	36,199	36,528		450	3,751
5	Keg Coulee	19	4,370	11,173	11,571		61	3,911
3	Keg Coulee North	3	1,024	1,361	1,056			1,329
1	Kelley	3	429	1,974	1,807			596
101	Kevin Sunburst	544	10,165	33,954	3,595	29,122	3	11,399
1	Laird Creek	11	836	1,774		1,695		915
2	Landslide Butte	2	848	172	.	.		1,020
3	Leary	3	1,577	3,020		2,480	42	2,075
2	Little Beaver	23	172	35,835	35,755			252
2	Little Beaver East*	9	795	12,718	12,351			1,162
12	Little Wall Creek	13	4,833	27,620	28,861			3,592
1	Lodge Grass	1	870	637		949		558
2	Lone Butte	2	1,361	3,705		3,556		1,510
7	Lonetree Creek	7	4,688	14,323		14,887		4,124
1	Long Creek	1	286	578		650		214
3	Lookout Butte (Coral Creek)	30	945	52,183	52,283			845
2	Mason Lake	2	226	414				640
3	Melstone	4	769	1,574	1,339			1,004
1	Mineral Bench	1	133	705	838			
10	Monarch	14	3,456	12,703	11,560	1,786		2,813
3	Mosser	10	.	523		523		.
1	Nohly	2	735	8,664		8,448		951
1	North Fork	1	1,142	4,165		4,818		489
4	Otis Creek	4	2,431	11,811		11,876		2,366
7	Outlook	8	9,364	24,014	24,918			8,460
1	Outlook South	1	637	813				1,450
2	Outlook West	2	1,959	1,334	2,220			1,073
1	Pennel	112		231,278	228,654			2,624
4	Pine	104	12,958	185,140	185,553			12,545
61	Pondera	290	5,564	24,721	25,160			5,125
2	Pondera Coulee	2		404	404			
5	Poplar	60	8,540	41,526	42,430			7,636
8	Poplar Northwest	11	3,240	14,952	14,982			3,210
1	Prairie Elk	1	760	626				1,386
2	Pritchard Creek	5	564	963	708			819
1	Putnam	2	462	2,534	.	2,398		598
5	Rabbit Hills	5	2,118	5,133	.	5,634		1,617
11	Ragged Point	22	5,037	9,268	9,276			5,029
2	Rattler Butte	2	488	2,340	....	1,831		997
2	Rattlesnake Coulee	2	667	108	.	203		572
6	Raymond	7	1,781	13,715	12,878			2,618
2	Raymond Northeast	2	591	2,706	1,694			1,603
3	Reagan	53	1,115	11,742	12,011			846
1	Red Creek	19		9,089	8,879	210		
1	Red Fox	1	294	422	430			286
1	Redstone	1	90	501	345			246
1	Repeat	1	560	861	.	921		500
2	Reserve	2	2,526	1,390	1,661			2,255
1	Richey	2	233	149				382
1	Richey Southwest	1	582	1,195		1,326		451
2	Rip Rap Coulee	2	1,046	1,613		1,836	80	743
4	Rosebud	5	1,725	4,314	4,762	..		1,277
1	Rush Mountain	1	189	1,653	1,607	..		235
2	Salt Lake	3	400	2,216		2,392		224
2	Sand Creek	3	896	2,896	2,896			896
3	Second Creek	3	1,442	7,255		7,734		963
2	Sheepherder	3	535	770	402		3	900
5	Sioux Pass	5	4,650	29,260	30,341			3,569
2	Sioux Pass Middle	2	595	6,530	5,843			1,282
6	Sioux Pass North	6	4,792	21,612	21,611			4,793
1	Snyder	3	463	521		423		561
8	Soap Creek	20	2,665	4,594	5,143	.		2,116
1	Spring Lake	2	1,020	1,906		2,369		557
5	Stensvad	11	4,874	22,299	21,996	.		5,177
22	Sumatra	100	8,650	171,049	171,590		426	7,683
5	Tule Creek	5	2,098	12,694		11,961		2,831
2	Tule Creek East	2	1,285	1,392		1,700		977
3	Tule Creek South	3	729	1,468		1,734		463
1	Vaux	1	992	1,225		1,316		901
2	Vida	2	920	282		227		975
5	Voll	6	3,111	9,476		10,444	87	2,056
2	Wagon Box	2	529	74	401	....		202
1	Weed Creek	1	62	377	.	205		234
3	Weldon	3	1,500	2,680	3,111	.		1,069
1	West Butte	1		354		354		
30	Whitlash	58	10,271	12,586	11,415			11,442
	Whitlash West		284					284
2	Willow Creek North	2	352	912	747			517
1	Willow Ridge	1		583	583			
2	Wills Creek South	2		1,408	1,408			
4	Winnett Junction	4	634	2,614		2,539		709
2	Wolf Springs	2	1,234	1,133		847		1,520
2	Woodrow	2	352	1,330	1 101			581
2	Wright Creek	3	1,566	438	922		129	953
	Wildcat, McCone County		52					52
1	Wildcat, Musselshell County	1	328	255		402		181
3	Wildcat, Richland County	3	518	6,792		6,365		945
1	Wildcat, Roosevelt County	1		76		76		
1	Wildcat, Rosebud County	1		1,354				1,354
2	Wildcat, Sheridan County	2	237	260		342		155
3	Wildcat, Toole County	3	654	877		846		685
810	TOTAL	3,310	314,952	2,649,641	2,353,296	291,353	1,991	317,953

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1975	32,843,558	89,982	32,601,792	89,320
First Quarter, 1976	8,148,656	89,546	8,157,809	89,646
Second Quarter, 1976	8,190,167	90,002	8,166,519	89,742
July, 1976	2,758,221	88,975	2,749,168	88,683
August, 1976	2,799,564	90,309	2,822,957	91,063
September, 1976	2,649,641	88,321	2,644,649	88,155

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1975	325,804	1,339,123	1,000,787	2,665,714
March, 1976	312,369	1,326,897	1,202,879	2,842,145
June, 1976	332,018	1,205,023	1,295,573	2,832,614
July, 1976	339,690	1,125,984	1,084,310	2,549,984
August, 1976	314,952	1,088,493	1,029,370	2,432,815
September, 1976	317,953	1,270,772	987,832	2,576,557

*Montana Oil only
**Includes Wyoming Oil

TRANSPORTERS' REPORT — MONTH OF SEPTEMBER, 1976

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Inc.			617				617		
BAINVILLE—Koch Oil Company			2,011				2,011		
BEAR'S DEN—Truck			211				211		
BELL CREEK—Continental Pipeline	30,045	684,919						678,280	36,684
BIG GULLY—Truck			2,024				2,024		
BIG WALL—Continental Pipeline Co.		5,190				5,190			
BLACKFOOT—Phillips Petroleum Co.		2,096						2,096	
BORDER—Permian Corp.			364					364	
BOULDER—Truck			4,143				4,143		
BOWES—Texaco		11,154					11,154		
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—Koch Oil Co.			13,419					13,419	
BRUSH LAKE—Portal Pipeline Co.		9,661					9,661		
BURNS CREEK—Western Crude Oil, Inc.			798				798		
CABIN CREEK & OTHERS[1]									
Butte Pipeline Co.	226,856	432,880	52,047	840,338		168,424	1,148,488		235,209
Shell Pipeline Co.	5,437	222,930		42,878	529			268,039	2,677
	232,293	655,810	52,047	883,216	529	168,424	1,148,488	268,039	237,886
CANAL—Koch Oil Company			1,743				1,743		
CAT CREEK—Continental Pipeline Co.		9,611				9,611			
CLARK'S FORK & CLARK'S FORK SOUTH—Permian Corp.			160				160		
COW CREEK & COW CREEK EAST—Western Crude Oil, Inc.			24,404				24,404		
CUT BANK—									
Continental Pipeline Co.		300,465	7,855					308,320	
Phillips Petroleum Co.	44,339	63,222		69,032	(1,653)	116,220			62,026
Texas Pipeline Co.	14,191	16,766		58,988		67,772		8,030	14,143
Union Oil Co.	53,711	47,768			834	77,025			23,620
Western Oil Trans. Co.		17,628				17,628			
Western Oil Trans. Co. (Moulton)		70,965				70,965			
	112,241	516,814	7,855	128,020	(819)	349,610		316,350	99,789
DELPHIA—Truck			783			783			
DWYER—Portal Pipeline Co.		9,663					9,663		
ELK BASIN & ELK BASIN NORTHWEST—Marathon Pipeline Co.		90,597				90,597			
FAIRVIEW—									
Fairview Pipeline Co.		3,875					3,875		
Koch Oil Company			23,055				23,055		
		3,875	23,055				26,930		
FLAT COULEE—Phillips Petroleum Co.		9,317				9,317			
FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co.		46,997					46,997		
FT. GILBERT—Fairview Pipeline Co.		4,297					4,297		
FRANNIE—Interstate Pipeline Co		780					780		
FRED & GEORGE CREEK—Phillips Petr. Co.	16,099	46,245		9,250	953	44,650			25,991
GIRARD—Koch Oil Co.			221				221		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—Texas Pipeline Co	7,520	20,119						19,286	8,353
GOOSE LAKE—Portal Pipeline Co.		18,237					18,237		
GUMBO RIDGE—Permian Corp.			5,964					5,964	
HAY CREEK—Fairview Pipeline Co.		1,776					1,776		
HIAWATHA—Continental Pipeline Co.		3,521					3,521		
IVANHOE—Continental Pipeline Co		4,100				4,100			
JIM COULEE—Continental Pipeline Co.		36,528				36,528			
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		12,203				12,203			
KELLEY—Continental Pipeline Co.		1,807				1,807			
KEVIN SUNBURST—									
Big West Oil Co.	5,535	26,890				24,602			7,823
Homestake Oil & Gas Co.	1,124	3,995				3,715			1,404
Texas Pipeline Co.	17,199	10,834				9,605			18,428
Northern Montana Oil Service	2,476		26,935			26,890			2,521
	26,334	41,719	26,935			64,812			30,176
LEARY—Permian Corp.			2,480				2,480		
LODGE GRASS—Permian Corp.			949			949			
LONE TREE CREEK—Koch Oil Co			14,887					14,887	
MELSTONE—Continental Pipeline Co.		1,339				1,339			
MIDDLE WALL—Continental Pipeline Co.[2]		15,589					15,589		
MOSSER—Permian Corp.			523				523		
NOHLY—Koch Oil Co			8,448				8,448		
NORTH FORK—Koch Oil Co			4,818				4,818		
OTIS CREEK—Western Crude Oil, Inc			11,876				11,876		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—Portal Pipeline Co		27,206						27,206	
PONDERA—Phillips Petr. Co.	36,418	27,296			3,343	22,905			37,466
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	21,520	51,616			867			50,663[3]	21,606
PUTNAM—Western Crude Oil, Inc.			2,398				2,398		
RABBIT HILLS—Koch Oil Co.			5,634				5,634		
RAGGED POINT—Continental Pipeline		9,276				7,740	1,536		
RATTLER BUTTE—Truck			1,831				1,831		
RAYMOND—Portal Pipeline Co.		14,573					14,573		
RED CREEK—Western Oil Transportation		8,846						8,846	
RESERVE—Portal Pipeline Co.		1,732					1,732		
RIPRAP COULEE—Portal Pipeline Co.			1,836					1,836	
ROSEBUD—Continental Pipeline Co.		4,762				4,762			
RUSH MOUNTAIN—Sinclair Ref. Co.		1,607					1,607		
SALT LAKE—Koch Oil Co.			2,392				2,392		
SECOND CREEK—Continental Pipeline Co.			7,734				7,734		
SHEEPHERDER—Continental Pipeline Co		402						402	
SIOUX PASS—Continental Pipeline Co.		57,795					57,795		
SNYDER—Permian Corp.			423			423			
SPRING LAKE—Koch Oil Co.			2,369				2,369		
SUMATRA & STENSVAD—Continental Pipeline Co	595,913	163,251		2,014,852	(640)	164,938		1,843,092	766,626
TULE CREEK, BENRUD, VOLT & OTHERS—[4]									
Tesoro Petr.	10,110	50,240	41,329			95,484			6,195
Permian Corp.			1,734			1,734			
	10,110	50,240	43,063			97,218			6,195
VAUX—Truck			1,316			1,316			
WINNETT—Truck			2,539			2,539			
WHITLASH & WHITLASH WEST—Phillips Petr.		11,318				11,318			
WOLF SPRINGS—Permian Corp.			847			847			
WEED CREEK—Ashland			205				205		
WILDCAT WELLS—Truck			8,031					8,031	
TOTAL	1,088,493	2,694,244	291,353	3,035,338	4,233	1,113,926	1,461,736	3,258,761	1,270,772

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Vida, Weldon & Wills Creek South.
[2]Little Wall Creek & Willow Creek North.
[3]Transferred to Butte Pipeline Co
[4]Benrud, Benrud East, Benrud Northeast, Big Bend, Culbertson, Froid, Four Buttes, Long Creek, Tule Creek, Tule Creek East, Richey SW & Volt.

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BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1976

	Big West Oil Co.	Continental Oil Co.	Exxon Co.	Farmer's Union	Phillips Petr. Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall	.....	5,190	.....	.....	.....	.....	.....	5,190
Cat Creek	.....	3,095	.....	6,516	.....	.....	.....	9,611
Cut Bank	.....	.....	.....	.....	66,257	.....	119,382	185,639
Elk Basin	.....	36,435	27,594	26,568	.....	.....	.....	90,597
Flat Coulee	.....	.....	.....	.....	.....	.....	9,317	9,317
Fred & George Creek	41,928	.....	.....	.....	.....	.....	.....	41,928
Jim Coulee	.....	.....	.....	20,510	.....	.....	.....	20,510
Ivanhoe	.....	4,100	.....	.....	.....	.....	.....	4,100
Keg Coulee	.....	9,292	1,748	1,587	.....	.....	.....	12,627
Kelley	.....	.....	1,807	.....	.....	.....	.....	1,807
Kevin Sunburst	24,600	.....	.....	.....	.....	.....	.....	24,600
Lodge Grass	.....	949	.....	.....	.....	.....	.....	949
Melstone	.....	.....	.....	1,339	.....	.....	.....	1,339
Pondera	.....	.....	.....	.....	7,986	.....	.....	7,986
Ragged Point	.....	7,740	.....	.....	.....	.....	.....	7,740
Rosebud	.....	4,762	.....	.....	.....	.....	.....	4,762
Richey Southwest	.....	.....	.....	.....	.....	2,416	.....	2,416
Snyder	.....	423	.....	.....	.....	.....	.....	423
Sumatra & Stensvad	.....	93,721	37,055	55,423	.....	.....	.....	186,199
Tule Creek & Others	.....	.....	.....	.....	.....	74,127	.....	74,127
Whitlash	.....	.....	.....	.....	22,544	.....	.....	22,544
Winnett Junction	.....	.....	.....	2,539	.....	.....	.....	2,539
Wolf Springs	.....	.....	205	.....	.....	.....	.....	205
Volt	.....	.....	.....	.....	.....	18,434	.....	18,434
TOTAL Montana Oil	66,528	165,707	68,409	114,482	96,787	94,977	128,699	735,589
Canadian Oil Imported	58,425	889,474	430,500	432,609	37,703	.....	.....	1,848,711
Wyoming Oil Imported	.....	373,904	750,350	622,144	.....	.....	.....	1,746,398
TOTAL Montana, Canadian & Wyoming Oil	124,953	1,429,085	*1,249,259	1,169,235	134,490	94,977	128,699	4,330,698

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1975	24,463	53,077	54,237	131,777
September, 1975	24,008	56,584	57,247	137,839
September, 1976	24,520	61,623	58,213	144,356

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
18.56%	40.28%	41.16%
17.42%	41.05%	41.53%
16.98%	42.69%	40.33%

*Estimated totals